

-D-710

GENERAL NOTES

1. Allowable soil bearing (Ksf):

	Normal Op. Loads	Transient + Normal Op. Loads
Spread Ftgs:	6	8
Slabs/Mats:	10	15

2. Frost penetration depth: 4'-0".
3. Cast in place concrete:  $f'c = 4,000$  PSI at 28 days.
4. Reinforcing steel shall be intermediate grade billet steel bars conforming to ASTM A615 (Deformed Bars) Grade 60.
5. Concrete materials, reinforcing and concrete work shall comply with the requirements of ACI 318 and ACI 301. Wherever there is a conflict, requirements of code ACI 318 shall govern.
6. Lap splices shall be Class C as per ACI 318, unless otherwise noted.

GENERAL NOTES (Cont'd)

24. Provide 3/16" diameter nailing holes in embedded structural items spaced and located as required to facilitate attachment to forms. Holes in the embeds shall be plug welded and ground flush after installation.
25. Sub-contractor shall furnish all plates clip angles, connections, etc required for the completion of the structure even if every such item is not shown on drawings.
26. Sub-contractor shall verify all dimensions before fabrication, erection, or construction.
27. Adequate temporary bracing, supports, shoring and scaffolding should be provided during construction and until all new construction elements achieve their required strengths.

- 28.
29. Unless noted all work to be performed in accordance with WVNS Specification WVNS-CS-194, OR WVNS - CS-139 AS APPLICABLE
30. Unless noted, grating shall be rectangular welded type with 1-1/4 x 3/16 bearing bars spaced 1-3/16 on centers and cross bars spaced not more than 4 on centers. It shall be securely fastened to supporting steel as per manufacturer's recommendation.
31. Deck panels shall be fastened to the steel framework at ends and at intermediate supports by welds through the deck panels not less than 3/4"  $\phi$  spaced not more than 12" across the width. End closures of the panels are to be fastened by tack welding or with sheet metal screws spaced not more than 4'-0 on center. Side closures of the panels are to be fastened by tack welding not more than 3'-0 on center. Sheet metal screws shall not be used for side closures. Each deck unit shall be brought to proper bearing on the supporting beams and adjusted to final position before being permanently fastened. In the event the manufacturer's recommendations are different from the above requirements the more stringent requirements shall govern.

32. Existing Ebasco steel referred to in these drawings is painted blue. Existing sonoco steel referred to in these drawings is painted green or white.
33. Shim plates when permitted cannot exceed 1/2 the designated weld size. Additionally, the designated weld size must be increased by the shim plate thickness. Shim plate size shall not exceed bearing or base plate size and shall not extend past the edges of bearing plate.
34. Size of non structural weld not called out shall be at least 1/8".

35. Unless noted, stair treads to be 8-9/16" wide rectangular welded type with 1-1/4 x 3/16 bearing bars spaced 1-3/16 on centers and cross bars spaced not more than 4" on centers including checkered plate nosing as per McNichols Co., P.O. Box 30300, Tampa, Florida, 33630-3300 or equal.

36. IN WELDED CONNECTIONS, LENGTH OF END RETURNS SHALL BE AS NOTED ON THE CONTRACT DWGS, OR 2X THE WELD SIZE WHERE LENGTHS ARE NOT INDICATED. MAX LENGTH OF END RETURNS SHALL BE 1", & MAY BE UNDERSIZE BE 1/8".

REV NO	DATE	REVISION	DR	CH	APPROVED
B	6-30-89	GENERAL REVISION AS CIRCLED	VS	SG	SAW
O	7/13/89	ER 16 46			
1	10/18/89	ECN 3194	LR	KMG	VAD
	12/7/89	ECN 3315	LR	DRS	
2	1-18-90	REV. PER ECN 34	GW	DRS	VAD
3	7-10-90	ECN 3744	BP	TEL	VAD
4	5-14-91	PER: FCN VF-2A-2224 VF-2A-2600	HLH	HAB	Sm
5	3-7-94	REV. PER ECN 7574	ML	H73	DR

THIS DWG IS PART OF WVNS CS-194 AND CS-139

WVNS APPROVAL

COG. MGR. *V. DesCamp*  
COG. ENGR. *J. DesCamp*  
DRAFT. SUPR. *John H. Hines* 10/99  
Q.A. MGR. *Raymond G. Des*  
R&S MGR. *John H. Hines*

FOR DRAWING INDEX SEE DRAWING NO.

APPROVD WVNS CO.	EBASCO SERVICES INCORPORATED
PROJECT MGR. <i>W. H. Hines</i>	A/E O.F.S. NO. 2388 TASK ORDER 009
ENGINEER SUPV. D.A. NUTA / KIR	FOR WEST VALLEY NUCLEAR SERVICES COMPANY, INC. WEST VALLEY, NEW YORK
LEAD DISC ENGR. D.A. NUTA / KIR	WEST VALLEY DEMONSTRATION PROJECT
DESIGN K. PARASHURAMA	VITRIFICATION FACILITY
CHECKED A.G. SERAPHIDES	GENERAL NOTES
DRAWN Y. SEKERKA	AND REFERENCE DRAWINGS
DE-ACOT-21NE-4139	SIZE INDEX CODE NUMBER DRAWING NO. REV.
PROJECT NO.	AREA DR. TYP CL ORIG 905-D-710 5
19-CW-02275	
SUBCONTRACT NO.	
ISSUED FOR CONSTRUCTION	SCALE NONE SPEC. CODES A/E SHEET NO. 905-D-710 8